

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026359

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/72 A61K31/716 A61P9/10 A61P7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ROSS G D ET AL: "Newly identified function for the complement (C) system in regulating hematopoiesis and bone marrow reconstitution after radiation injury." EXPERIMENTAL HEMATOLOGY (NEW YORK), vol. 31, no. 7 Supplement 1, July 2003 (2003-07), pages 235-236, XP002339757 & 32ND ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR EXPERIMENTAL HEMATOLOGY; PARIS, FRANCE; JULY 05-08, 2003 ISSN: 0301-472X abstract ----- -/--	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

10 August 2005

Date of mailing of the international search report

22/08/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	CRAMER D E ET AL: "Role of the complement system and LPS in bone marrow repair after myelotoxic injury" MOLECULAR IMMUNOLOGY, vol. 41, no. 2-3, June 2004 (2004-06), pages 223-224, XP009052115 & 20TH INTERNATIONAL COMPLEMENT WORKSHOP; HONOLULU, HI, USA; JUNE 13-18, 2004 ISSN: 0161-5890 abstract	1-8
P,X	WO 2004/014320 A (BIOPOLYMER ENGINEERING, INC; OSTROFF, GARY, R; ROSS, GORDON, D; UNIVER) 19 February 2004 (2004-02-19) cited in the application the whole document	1,2,4-7
P,X	US 6 713 459 B1 (WILLIAMS DAVID L ET AL) 30 March 2004 (2004-03-30) the whole document	1-8
A	PATCHEN M L ET AL: "STIMULATED HEMOPOIESIS AND ENHANCED SURVIVAL FOLLOWING GLUCAN TREATMENT IN SUBLETHALLY AND LETHALLY IRRADIATED MICE" INTERNATIONAL JOURNAL OF IMMUNOPHARMACOLOGY, vol. 7, no. 6, 1985, pages 923-932, XP009052090 ISSN: 0192-0561 cited in the application abstract	1-8
A	PATCHEN M L ET AL: "SOLUBLE POLYGLYCANS ENHANCE RECOVERY FROM COBALT-60-INDUCED HEMOPOIETIC INJURY" JOURNAL OF BIOLOGICAL RESPONSE MODIFIERS, vol. 3, no. 6, 1984, pages 627-633, XP009052093 ISSN: 0732-6580 cited in the application abstract	1-8
A	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 8 March 2001 (2001-03-08), LI CHUANFU ET AL: "(1-3)-beta-D-glucan reduces infarct size in rat hearts: Correlated with blunting of NF-kappaB activation" XP009052145 Database accession no. PREV200100264296 cited in the application abstract	1-8
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>& FASEB JOURNAL, vol. 15, no. 5, 8 March 2001 (2001-03-08), page A1140, ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY ON EXPERIMENTAL BIOL; ORLANDO, FLORIDA, USA; MARCH 31-APRIL 04, 2001 ISSN: 0892-6638</p> <p>-----</p> <p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; March 2003 (2003-03), LI YUEHUA ET AL: "Modulating Toll-like receptor signaling by (1-3)-beta-D-glucan rapidly induces cardioprotection from ischemic injury." XP002339761 Database accession no. PREV200300295613 cited in the application abstract & FASEB JOURNAL, vol. 17, no. 4-5, March 2003 (2003-03), pages Abstract No. 342.20 URL-http://ww, FASEB MEETING ON EXPERIMENTAL BIOLOGY: TRANSLATING THE GENOME; SAN DIEGO, CA, USA; APRIL 11-15, 2003 ISSN: 0892-6638</p>	1-8
A	<p>-----</p> <p>US 5 504 079 A (JAMAS ET AL) 2 April 1996 (1996-04-02) cited in the application the whole document</p> <p>-----</p>	1-8

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-8 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004014320 A	19-02-2004	AU 2003258181 A1 EP 1545208 A2 WO 2004014320 A2	25-02-2004 29-06-2005 19-02-2004
US 6713459 B1	30-03-2004	NONE	
US 5504079 A	02-04-1996	AT 153856 T AU 647751 B2 AU 6429290 A CA 2067159 A1 DE 69030880 D1 DE 69030880 T2 EP 0491829 A1 ES 2103276 T3 JP 5502018 T WO 9103248 A2	15-06-1997 31-03-1994 08-04-1991 09-03-1991 10-07-1997 18-09-1997 01-07-1992 16-09-1997 15-04-1993 21-03-1991